

Safety Data Sheet



Hazardous Substance, Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product Name 220 NL Thinners

Product Code : TNL

Product Use : Thinner for nitrocellulose lacquers.

Company Name : Haymes Paint
ABN : 14 004 201 638
Address : Waringa Drive, Wendouree Industrial Park, Victoria 3355, Australia.
Emergency Telephone : 03 5342 6200 . Office Hours : 7-30 to 5-30 Monday to Friday.
Telephone Number/Fax : Tel: 03 5342 6200 . Office Hours : 7-30 to 5-30 Monday to Friday.

2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of Safe Work Australia. HAZARDOUS SUBSTANCE.



Flame



Corrosion

SIGNAL WORD : Danger

Hazard Classification : Flammable liquids - Category 2
Acute Toxicity - Inhalation - Category 4
Skin irritation - Category 2
Eye irritation - Category 1
Reproductive toxicity - Category 2
Specific Target Organ Toxicity (Single Exposure) - Category 3
Specific Target Organ Toxicity (Repeated Exposure) - Category 2
Aspiration Hazard - Category 1

Hazard Statement(s) : H225 : Highly flammable liquid and vapour.
H332 : Harmful if inhaled.
H315 : Causes skin irritation.
H318: Causes serious eye damage
H361 : Suspected of damaging fertility or the unborn child
H335 : Exposure via inhalation may cause respiratory irritation.
H336 : Exposure via inhalation may cause drowsiness or dizziness.
H373 : Repeated or prolonged exposure via inhalation may cause damage to organs.
H304 : May be fatal if swallowed and enters airways.

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Precautionary Statement(s) :

Prevention :

P102 : Keep out of reach of children.
P103 : Read label before use.
P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 : Keep container tightly closed.
P240 : Ground/bond container and receiving equipment.
P241 : Use explosion-proof electrical/ventilating/light/and other equipment.
P242 : Use only non-sparking tools.
P260 : Do not breathe dust/fumes/gas/mist/vapours/spray.
P261 : Avoid breathing fumes/gas/mist/vapours/spray.
P264 : Wash exposed skin thoroughly after handling.
P271 : Use only outdoors or in a well-ventilated area.
P280 : Wear protective gloves/protective clothing/eye protection.

Response :

P370+378 : In case of fire. Use alcohol resistant foam or fine spray/water fog for extinction.
P302+352 : IF ON SKIN, wash with plenty of soap and water.
P332+313 : If skin irritation occurs get medical advice/attention.
P361+364 : Take off immediately all contaminated clothing and wash it before reuse.
P305+351+338 : IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 : Immediately call a POISON CENTRE or doctor/physician.
P304+340 : IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 : Call a POISON CENTRE or doctor/physician if you feel unwell.
P314 : Get medical advice/attention if you feel unwell.
P301+310 : IF SWALLOWED : Immediately call a DOCTOR or Poisons Information Centre.
P331 : Do NOT induce vomiting.

Storage :

P403+233 : Store in a well ventilated place. Keep container tightly closed.
P405 : Store locked up.

Disposal :

P501 : Dispose of contents/container in accordance with local, regional, national, international regulations.

SUSMP Poisons Schedule : S5 Poison

3. COMPOSITION INFORMATION

Chemical Entity	CAS NO	Proportion
Toluene	108-88-3	60 - 75 %
Methyl Ethyl Ketone	78-93-3	5 - 15 %
Methyl Isobutyl Ketone	108-10-1	< 10 %
n-Butanol	71-36-3	< 10 %
N-butyl acetate	123-86-4	< 5 %
Ingredients determined not to be hazardous :	-	Balance
		<hr/> 100%

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4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126).

Inhalation :	Remove victim from exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
Skin :	For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is available). If skin irritation occurs seek medical advice or attention.
Eye :	If in eyes, hold eyelids apart and rinse the eyes continuously with running water. Remove contact lenses if present and easy to do. Continue rinsing for several minutes until all contaminants are washed out completely. Immediately call a doctor. Continue rinsing.
Ingestion :	If swallowed immediately call a doctor or Poisons Information Centre. Rinse mouth. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
First Aid Facilities :	First aid kit, shower, eye wash station or kit.
Advice to Doctor :	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Hazchem Code :	*3YE
Suitable extinguishing media :	Alcohol resistant foam is the preferred fire-fighting medium. If material is involved in a fire use alcohol resistant foam, standard foam or dry agent (carbon dioxide, dry chemical)
Specific hazards :	Flammable liquid. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this product is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.
Fire fighting further advice :	If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Small Spills :	Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.
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Large Spills : Shut off all possible sources of ignition. Clear area of all unprotected personnel. Prevent further leakage or spillage if safe to do so. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil,sand or other inert material). Use a spark free shovel. Collect and seal in properly labelled containers or drums for disposal.If contamination of sewers or waterways has occurred advise local emergency services.

Dangerous Goods - Initial Emergency Response Guide No : 14

7. HANDLING AND STORAGE

Handling : Avoid skin and eye contact and inhalation of vapour, mist or aerosols.

Storage : Store in a cool, dry, well-ventillated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use. Check regularly for leaks.

This material is described as a Dangerous Good Class 3 Flammable Liquid as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters : No value assigned for this specific product by Safe Work Australia. However, Workplace Standard(s) for constituent(s) are :

Chemical Entity	TWA		STEL		Carcinogen Category	Notices
	ppm	mg/m3	ppm	mg/m3		
Toluene	50	191	150	574	-	-

As published by Safe Work Australia

TWA - the time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15-minute period, which should not be expected at any time during a normal eight-hour workday.

"Sk" Notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If directions for use are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Engineering Controls : Ensure ventilation is adequate and that air concentrations are controlled below quoted Workplace Exposure Standards. Close with lid when not in use.

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protection equipment : **OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.**

Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless liquid
Odour :	Aromatic
Solubility :	Negligible
Specific Gravity (20 degC) :	0.85
Relative Vapour Density (air=1) :	Approximately 3 times denser than air
Vapour Pressure (20degC) :	Not determined; (methyl ethyl ketone 77.5 mm Hg)
Flash Point (degC) :	Not determined; (flash point for Toluene is 4°C)
Flammability Limits (%) :	Not determined; (for major component Toluene: LFL 1.1%, UFL 7.0%)
Autoignition Temperature (degC) :	Not determined; (Toluene flash point: 4°C c.c.)
Melting Point/Range (degC) :	Not Available
Boiling Point/Range (degC) :	Not determined; (Boiling point of methyl ethyl ketone is 79.6°C)
pH :	Not Applicable
Viscosity :	<21 mm ² /second
Total VOC (g/litre) :	Not Available

10. STABILITY AND REACTIVITY

Reactivity :	No reactivity hazards are known for the material.
Chemical stability :	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Hazardous reactions :	No known hazardous reactions.
Conditions to avoid :	Elevated temperatures and sources of ignition.
Incompatible materials :	Oxidising agents.
Hazardous decomposition products :	Oxides of carbon and nitrogen, smoke and other toxic fumes.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if material is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are :

Acute effects and routes of exposure :

Inhalation :	Prolonged or repeated exposure to high concentrations may cause irritation of respiratory tract and central nervous system. Symptoms may include coughing, sneezing, headache, dizziness, drowsiness, incoordination, slurred speech and unconsciousness.
Skin contact :	Repeated or prolonged skin contact may lead to irritation. Solvents in formulation may defat the skin. May cause dermatitis.

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Ingestion :	If swallowed may cause irritation of mouth, throat and digestive system. Ingestion of larger amounts may cause harm. If aspirated (ie: liquid enters lungs), may cause lung damage due to chemical pneumonia, a condition caused by petroleum and petroleum-like solvents.
Eye contact :	May cause serious eye damage. May cause corneal injury. Vapours may irritate eyes. Vapours may cause lacrymation (tears).
Acute toxicity :	
Inhalation :	This product has been classified as a Category 4 Hazard. Acute toxicity estimate based on ingredients : 10 - 20 mg / litre / 4 hour.
Skin contact :	This product has been classified as Non-hazardous. Acute toxicity estimate based on ingredients : > 2000 mg / kg.
Ingestion :	This product has been classified as Non-hazardous. Acute toxicity estimate based on ingredients : > 2000 mg / kg.
Skin corrosion/irritation :	This product is classified as a Category 2 Hazard. Causes skin irritation.
Serious eye damage/irritation :	This product is classified as a Category 1 Hazard. Causes serious eye damage.
Respiratory Sensitisation :	This product has been classified as Non-hazardous.
Skin Sensitisation :	This product has been classified as Non-hazardous.
Chronic Toxicity :	
Mutagenicity :	This product has been classified as Non-hazardous.
Carcinogenicity :	This product has been classified as Non-hazardous.
Reproductive toxicity:	This product is classified as a Category 2 Hazard. suspected of damaging fertility or the unborn child.
Specific target organ toxicity (single exposure) :	This product is classified as a Category 3 Hazard. Exposure via inhalation may effect the respiratory tract and central nervous system.
Specific target organ toxicity (repeat exposure) :	This product is classified as a Category 2 Hazard. Repeated or prolonged exposure via inhalation may effect the central nervous system.
Aspiration hazard :	This product is classified as a Category 1 Hazard. May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Avoid contaminating drains and waterways.

Ecotoxicity :	No information available.
Persistence and degradability :	No information available.
Bioaccumulative potential :	No information available.
Mobility :	No information available.

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13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled dispose in accordance with local, regional, national and international regulations.

14. TRANSPORT INFORMATION

Road and Rail Transport : Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail".

UN number : 1263

Dangerous Goods Class : 3

Packing Group : II

Hazchem Code : *3YE

Emergency Response Guide No : 14

Proper Shipping Name : Paint Related Material

Environmental Hazard : No information available.

Segregation Dangerous Goods : Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substance (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), or radioactive substances (Class 7), however exemptions may apply.

Marine Transport : Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG) Code) for transport by sea.

UN number : 1263

Dangerous Goods Class : 3

Packing Group : II

Hazchem Code : *3YE

Emergency Response Guide No : 14

Proper Shipping Name : Paint Related Material

Environmental Hazard : No information available.

Air Transport : Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN number : 1263

Dangerous Goods Class : 3

Packing Group : II

Hazchem Code : *3YE

Emergency Response Guide No : 14

Proper Shipping Name : Paint Related Material

Environmental Hazard : No information available.

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15. REGULATORY INFORMATION

This product/constituent(s) is/are covered by the following requirements :

This material is hazardous according to health criteria of Safe Work Australia. HAZARDOUS SUBSTANCE.

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail".

The Standard for the Uniform Scheduling of Medicines and Poisons No. 7.

S5 Poison

All the constituents of this product are listed on the Australian Inventory of Chemical Substances (AICS), or exempted.

16. OTHER INFORMATION

This Safety Data Sheet has been prepared by Haymes Paint Technical Department.

Reason(s) for issue : 5 Yearly Revision. Format change. Alignment to GHS requirements.

Literature References : Guidance on the Classification of Hazardous Chemicals under the WHS Regulations - Implementation of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) - Safe Work Australia.
Australian Inventory of Chemical Substances.
European Chemicals Agency (ECHA).

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Haymes Paint cannot anticipate or control the conditions under which the product may be used, prior to usage, review the SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

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